

Tissue Factor (TF) Active Protein | TF active protein

Active Tissue Factor (TF)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA148175	E Coli	Rat	Activity Assay, Cell Culture

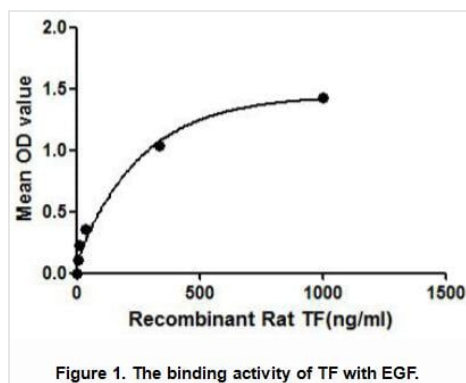
PRODUCT SYNONYMS

Tissue Factor (TF); Active Tissue Factor (TF); CD142; FIII; F3; TFA; Thromboplastin; Coagulation Factor III; TF active protein

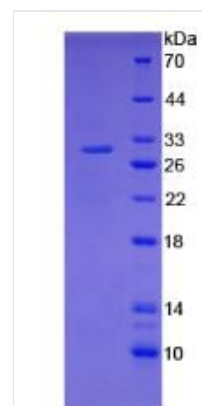
PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Rat
Purity/Purification	> 95%
Form/Format	Freeze-dried powder
Sequence Length	295
Applicable Applications for TF active protein	Activity Assay, Cell Culture
Tag	N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Fragment	Gly30~Glu252
Isoelectric Point	9.2

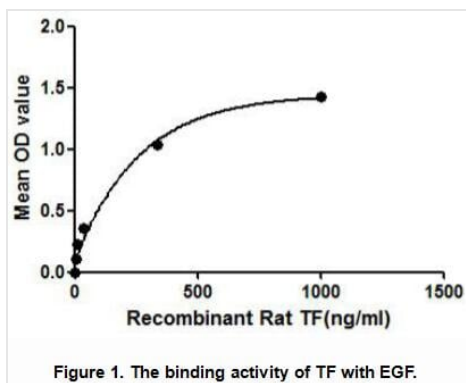
IMAGES



Application Data



SDS-PAGE



Activity

TF (Tissue factor) also known for platelet tissue factor, factor III, thromboplastin, or CD142, is a cell surface glycoprotein present in subendothelial tissue and leukocytes. TF is necessary for the initiation of thrombin formation from the zymogen prothrombin. It has been proven that EGF can bind with the TF on the hemangioendothelial cells. Thus a binding ELISA assay was conducted to detect the interaction of recombinant rat TF and recombinant rat EGF. Briefly, TF were diluted serially in PBS, with 0.01%BSA (pH 7.4). Duplicate samples of 100uL TF were then transferred to EGF-coated microtiter wells and incubated for 2h at 37 degree C. Wells were washed with PBST and incubated for 1h with anti-TF pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37 degree C. Finally, add 50uL stop solution to the wells and read at 450nm immediately. The binding activity of TF and EGF was shown in Figure 1, and this effect was in a dose dependent manner.

ADDITIONAL INFORMATION

Product Categories/Family for TF active protein	Hematology; Cardiovascular biology
---	------------------------------------

NCBI AND UNIPROT INFORMATION

NCBI GI #	1174660
NCBI GeneID	25584
UniProt Accession #	P42533
Molecular Weight	Predicted Molecular Weight: 26.9kDa Accurate Molecular Weight: 29kDa
NCBI Official Full Name	Tissue factor
NCBI Official Synonym Full Names	coagulation factor III, tissue factor
NCBI Official Symbol	F3
NCBI Protein Information	tissue factor
UniProt Protein Name	Tissue factor
UniProt Gene Name	F3
UniProt Synonym Gene Names	Cf3; TF

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.